

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/588,234  
Source: IFWP  
Date Processed by STIC: 08/11/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,234

TIME: 11:40:25

Input Set : A:\004974.01210 sequence listing.txt

Output Set: N:\CRF4\08112006\J588234.raw

3 <110> APPLICANT: Bayer HealthCare AG  
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with  
 Plasma  
 6 Kallikrein (KLKB1)  
 8 <130> FILE REFERENCE: 004974.01210  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/588,234  
 C--> 10 <141> CURRENT FILING DATE: 2006-08-03  
 10 <160> NUMBER OF SEQ ID NOS: 5  
 12 <170> SOFTWARE: PatentIn version 3.2  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 2245  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: Homo sapiens  
 19 <400> SEQUENCE: 1  
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 21 gtgtttttcag aatgatttta ttcaagcaag caacttatctt catttccttg tttgctacag 120  
 22 tttcctgtgg atgtctgact caactctatg aaaacgcctt cttcagaggt ggggatgtag 180  
 23 cttccatgta caccceaaat gcccaatact gccagatgag gtgcacattc caccceaggt 240  
 24 gtttgctatt cagttttctt ccagcaagtt caatcaatga catggagaaa aggttttggtt 300  
 25 gcttcttgaa agatagtgtt acaggaaccc tgccaaaagt acatcgaaca ggtgcagttt 360  
 26 ctggacattc cttgaagcaa tgtggtcatc aaataagtgc ttgccatcga gacatttata 420  
 27 aaggagttga tatgagagga gtcaatttta atgtgtctaa ggtagcagt gttgaagaat 480  
 28 gccaaaaaag gtgcaccaat aacattcgct gccagttttt ttcatatgcc acgcaaacat 540  
 29 ttcacaaggc agagtaccgg aacaattgcc tattaaagta cagtcccggg ggaacacctt 600  
 30 ccgctataaa ggtgctgagt aacgtggaat ctggattctc actgaagccc tgtgcccttt 660  
 31 cagaaattgg ttgccatag aacatcttcc agcatcttgc gttctcagat gtggatgttg 720  
 32 ccagggttct cactccagat gcttttgtgt gtcggaccat ctgcacctat caccceaaat 780  
 33 gcctcttctt tacattctat acaaattgat ggaaaatcga gtcacaaaga aatgtttgtc 840  
 34 ttcttaaaac atctgaaagt ggcacaccaa gttcctctac tctcaagaa aacaccatat 900  
 35 ctggatatag ccttttaacc tgcaaaagaa ctttacctga accctgccat tctaaaattt 960  
 36 acccgagggt tgactttgga ggagaagaat tgaatgtgac ttttgttaaa ggagtgaatg 1020  
 37 tttgccaaga gacttgcaca aagatgattc gctgtcagtt tttcacttat tctttactcc 1080  
 38 cagaagactg taaggaagag aagtgttaagt gtttcttaag attatctatg gatggttctc 1140  
 39 caactaggat tgcgtatggg acacaagggg gctctggtta ctctttgaga ttgtgtaaca 1200  
 40 ctggggacaa ctctgtctgc acaacaaaaa caagcacacg cattgttgga ggaacaaact 1260  
 41 cttcttgagg agagtggccc tggcaggtga gcctgcaggt gaagctgaca gctcagaggc 1320  
 42 acctgtgtgg agggtcactc ataggacacc agtgggtcct cactgctgcc cactgctttg 1380  
 43 atgggcttcc cctgcaggat gtttggcgca tctatagtgg cattttaaat ctgtcagaca 1440  
 44 ttacaaaaga tacacctttc tcacaaataa aagagattat tattcaccaa aactataaag 1500  
 45 tctcagaagg gaatcatgat atcgcttga taaaactcca ggctcctttg aattacactg 1560  
 46 aattccaaaa accaatatgc ctaccttcca aaggtgacac aagcacaatt tataccaact 1620  
 47 gttgggtaac cggatggggc ttctcgaagg agaaagggtga aatccaaaat attctacaaa 1680  
 48 aggtaaatat tcctttggta acaaataaag aatgccagaa aagatatcaa gattataaaa 1740  
 49 taaccaaacg gatggtctgt gctggctata aagaaggggg aaaagatgct tgtaagggag 1800

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50 attcaggtgg tcccttagtt tgcaaacaca acggaatgtg gcgtttggtg ggcatcacaa 1860
51 gctgggggtga aggctgtgcc cgcaggagc aacctggtgt ctacaccaa gtcgctgagt 1920
52 acatggactg gattttagag aaaacacaga gcagtgatgg aaaagctcag atgcagtcac 1980
53 cagcatgaga agcagtcag agtctaggca atttttataa cctgagttca agtcaaattc 2040
54 tgagcctggg gggtcctcat ctgcaaagca tggagagtgg catcttcttt gcatcctaag 2100
55 gacgaaagac acagtgcact cagagctgct gaggacaatg tctgctgaag cccgctttca 2160
56 gcacgccgta accaggggct gacaatgcga ggtcgcaact gagatctcca tgactgtgtg 2220
57 ttgtgaaata aaatggtgaa agatc 2245
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 638
61 <212> TYPE: PRT
62 <213> ORGANISM: Homo sapiens
64 <400> SEQUENCE: 2
65 Met Ile Leu Phe Lys Gln Ala Thr Tyr Phe Ile Ser Leu Phe Ala Thr
66 1 5 10 15
67 Val Ser Cys Gly Cys Leu Thr Gln Leu Tyr Glu Asn Ala Phe Phe Arg
68 20 25 30
69 Gly Gly Asp Val Ala Ser Met Tyr Thr Pro Asn Ala Gln Tyr Cys Gln
70 35 40 45
71 Met Arg Cys Thr Phe His Pro Arg Cys Leu Leu Phe Ser Phe Leu Pro
72 50 55 60
73 Ala Ser Ser Ile Asn Asp Met Glu Lys Arg Phe Gly Cys Phe Leu Lys
74 65 70 75 80
75 Asp Ser Val Thr Gly Thr Leu Pro Lys Val His Arg Thr Gly Ala Val
76 85 90 95
77 Ser Gly His Ser Leu Lys Gln Cys Gly His Gln Ile Ser Ala Cys His
78 100 105 110
79 Arg Asp Ile Tyr Lys Gly Val Asp Met Arg Gly Val Asn Phe Asn Val
80 115 120 125
81 Ser Lys Val Ser Ser Val Glu Glu Cys Gln Lys Arg Cys Thr Asn Asn
82 130 135 140
83 Ile Arg Cys Gln Phe Phe Ser Tyr Ala Thr Gln Thr Phe His Lys Ala
84 145 150 155 160
85 Glu Tyr Arg Asn Asn Cys Leu Leu Lys Tyr Ser Pro Gly Gly Thr Pro
86 165 170 175
87 Thr Ala Ile Lys Val Leu Ser Asn Val Glu Ser Gly Phe Ser Leu Lys
88 180 185 190
89 Pro Cys Ala Leu Ser Glu Ile Gly Cys His Met Asn Ile Phe Gln His
90 195 200 205
91 Leu Ala Phe Ser Asp Val Asp Val Ala Arg Val Leu Thr Pro Asp Ala
92 210 215 220
93 Phe Val Cys Arg Thr Ile Cys Thr Tyr His Pro Asn Cys Leu Phe Phe
94 225 230 235 240
95 Thr Phe Tyr Thr Asn Val Trp Lys Ile Glu Ser Gln Arg Asn Val Cys
96 245 250 255
97 Leu Leu Lys Thr Ser Glu Ser Gly Thr Pro Ser Ser Ser Thr Pro Gln
98 260 265 270
99 Glu Asn Thr Ile Ser Gly Tyr Ser Leu Leu Thr Cys Lys Arg Thr Leu
100 275 280 285

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101 Pro Glu Pro Cys His Ser Lys Ile Tyr Pro Gly Val Asp Phe Gly Gly
102      290                295                300
103 Glu Glu Leu Asn Val Thr Phe Val Lys Gly Val Asn Val Cys Gln Glu
104 305                310                315                320
105 Thr Cys Thr Lys Met Ile Arg Cys Gln Phe Phe Thr Tyr Ser Leu Leu
106                325                330                335
107 Pro Glu Asp Cys Lys Glu Glu Lys Cys Lys Cys Phe Leu Arg Leu Ser
108                340                345                350
109 Met Asp Gly Ser Pro Thr Arg Ile Ala Tyr Gly Thr Gln Gly Ser Ser
110                355                360                365
111 Gly Tyr Ser Leu Arg Leu Cys Asn Thr Gly Asp Asn Ser Val Cys Thr
112                370                375                380
113 Thr Lys Thr Ser Thr Arg Ile Val Gly Gly Thr Asn Ser Ser Trp Gly
114 385                390                395                400
115 Glu Trp Pro Trp Gln Val Ser Leu Gln Val Lys Leu Thr Ala Gln Arg
116                405                410                415
117 His Leu Cys Gly Gly Ser Leu Ile Gly His Gln Trp Val Leu Thr Ala
118                420                425                430
119 Ala His Cys Phe Asp Gly Leu Pro Leu Gln Asp Val Trp Arg Ile Tyr
120                435                440                445
121 Ser Gly Ile Leu Asn Leu Ser Asp Ile Thr Lys Asp Thr Pro Phe Ser
122                450                455                460
123 Gln Ile Lys Glu Ile Ile Ile His Gln Asn Tyr Lys Val Ser Glu Gly
124 465                470                475                480
125 Asn His Asp Ile Ala Leu Ile Lys Leu Gln Ala Pro Leu Asn Tyr Thr
126                485                490                495
127 Glu Phe Gln Lys Pro Ile Cys Leu Pro Ser Lys Gly Asp Thr Ser Thr
128                500                505                510
129 Ile Tyr Thr Asn Cys Trp Val Thr Gly Trp Gly Phe Ser Lys Glu Lys
130                515                520                525
131 Gly Glu Ile Gln Asn Ile Leu Gln Lys Val Asn Ile Pro Leu Val Thr
132                530                535                540
133 Asn Glu Glu Cys Gln Lys Arg Tyr Gln Asp Tyr Lys Ile Thr Gln Arg
134 545                550                555                560
135 Met Val Cys Ala Gly Tyr Lys Glu Gly Gly Lys Asp Ala Cys Lys Gly
136                565                570                575
137 Asp Ser Gly Gly Pro Leu Val Cys Lys His Asn Gly Met Trp Arg Leu
138                580                585                590
139 Val Gly Ile Thr Ser Trp Gly Glu Gly Cys Ala Arg Arg Glu Gln Pro
140                595                600                605
141 Gly Val Tyr Thr Lys Val Ala Glu Tyr Met Asp Trp Ile Leu Glu Lys
142                610                615                620
143 Thr Gln Ser Ser Asp Gly Lys Ala Gln Met Gln Ser Pro Ala
144 625                630                635
146 <210> SEQ ID NO: 3
147 <211> LENGTH: 20
148 <212> TYPE: DNA
149 <213> ORGANISM: artificial sequence
151 <220> FEATURE:

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152 <223> OTHER INFORMATION: forward primer  
154 <400> SEQUENCE: 3  
155 ccctttcaga aattggttgc 20  
157 <210> SEQ ID NO: 4  
158 <211> LENGTH: 20  
159 <212> TYPE: DNA  
160 <213> ORGANISM: artificial sequence  
162 <220> FEATURE:  
163 <223> OTHER INFORMATION: reverse primer  
165 <400> SEQUENCE: 4  
166 tggcaacatc cacatctgag 20  
168 <210> SEQ ID NO: 5  
169 <211> LENGTH: 25  
170 <212> TYPE: DNA  
171 <213> ORGANISM: artificial sequence  
173 <220> FEATURE:  
174 <223> OTHER INFORMATION: probe  
176 <400> SEQUENCE: 5  
177 catgaacatc ttccagcatc ttgcg 25

VERIFICATION SUMMARY

DATE: 08/11/2006

PATENT APPLICATION: US/10/588,234

TIME: 11:40:26

Input Set : A:\004974.01210 sequence listing.txt

Output Set: N:\CRF4\08112006\J588234.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date